

METHOD OF FABRICATING HOLOGRAM SCREEN
AND HOLOGRAM IMAGING APPARATUS

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ABSTRACT OF THE DISCLOSURE

10 A method of fabricating a hologram screen having a
large visual range and a hologram imaging apparatus used
for the particular method of fabricating the hologram
screen are disclosed. A plurality of mirrors (3)
extended toward a plurality of photosensitive members (5)
are arranged at a plurality of end portions (21),
15 respectively, of a light diffuser (2). At least a
reference beam (41) and object beams (42) passed through
the light diffuser (2) are radiated on a plurality of the
photosensitive members (5) individually thereby to form a
plurality of holograms. These holograms are integrated
20 with each other by being arranged two-dimensionally
thereby to fabricate a hologram screen. Among the
mirrors (3), a reference beam-side mirror (31) arranged
nearer to the light source of the reference beams (41) is
extended from the light diffuser (2) by a length varied
25 with the position of the photosensitive member (5) to be
exposed.